

Application No.: 10/784,019

Docket No.: NL030156US  
67883-00007USPT**AMENDMENTS TO THE CLAIMS**

1. (currently amended) A circuit arrangement (1) for generating a sawtooth current (I11, I12) in a cathode ray tube deflection coil (L1), the circuit arrangement (1) comprising a first (I) and a second (II) multiresonant section arranged in series, the cathode ray tube deflection coil (L1) in series with a trace capacitor (Ct) being comprised in the first section (I), and the second section (II) comprising an inductor (L2), each section (I, II) providing a common trace period (Tr) and a common retrace period (Rt) to provide a flyback of said sawtooth current (I11, I12), and the circuit arrangement (1) comprising a current control circuit (2) coupled to the inductor (L2), and being without a second trace capacitor coupled from said inductor (L2) to ground therebetween, the current control circuit controlling the course of the sawtooth current (I11, I12).

2. (original) The circuit arrangement (1) according to claim 1, wherein the current control circuit is a current switching circuit (S1, S2).

3. (original) The circuit arrangement according to claim 2, wherein the current control circuit is coupled between two supply voltages (Vcc, GND) of the circuit arrangement (1).

4. (original) The circuit arrangement (1) according to claim 1, wherein the current control circuit (2) is arranged to effect a cathode ray tube east-west correction.

5. (original) The circuit arrangement (1) according to claim 4, wherein the cathode ray tube east-west correction is effected by dynamically adjusting a current switching point (P1, P2) in time marking a start of the trace period (Tr).

6. (original) The circuit arrangement (1) according to claim 1, wherein the inductor (L2) is a coil or a gyrator circuit.

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7. (currently amended) A display device comprising a cathode ray tube, the display device comprising a circuit arrangement (1) for generating a sawtooth current (I11, I12) in a cathode ray tube deflection coil (L1) coupled to a cathode ray tube, the circuit arrangement (1) comprising a first (I) and a second (II) multiresonant section arranged in series, the cathode ray tube deflection coil (L1) connected in series with a trace capacitor (Ct) being comprised in the first section (I), and the second section (II) comprising an inductor (L2), each section (I, II) providing a common trace period (Tr) and a common retrace period (Rt) to provide a flyback of said sawtooth current (I11, I12), and the circuit arrangement (1) comprising a current control circuit (2) coupled to the inductor (L2) without another trace capacitor connected between said inductor (L2) and ground therebetween, the control circuit controlling the course of the sawtooth current (I11, I12).

8. (original) A television set comprising a display device according to claim 7.